Advanced Java Programming

Week 2 Topic Outline

Inheritance

- 1. Is-a vs. has-a relationships
- 2. Subclass / Superclass (child / parent class)
- 3. Method overriding
- 4. Protected members
- 5. Object class
- 6. Up-casting
- 7. Polymorphism
- 8. Down-casting
 - a. Checking cast safety with instanceof
 - b. ClassCastExceptions

Limiting OOP Behaviors

- 1. Preventing construction
- 2. Preventing method overriding
- 3. Preventing subclassing